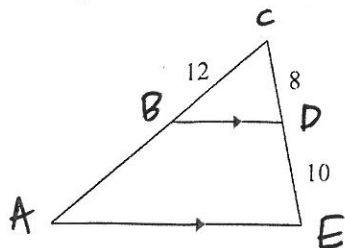
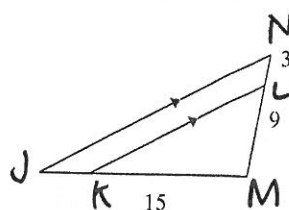


Similarity

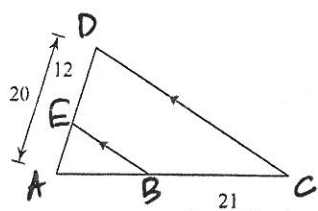
Example 1: Find AB and AC.



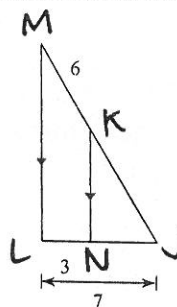
Practice 1: Find JK and JM.



Example 2: Find AB and AC.



Practice 2: Find JK and JM.

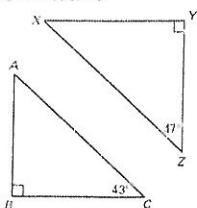


AA Postulate

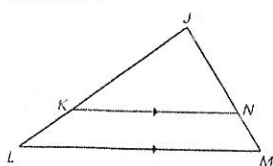
SSS Postulate

SAS Postulate

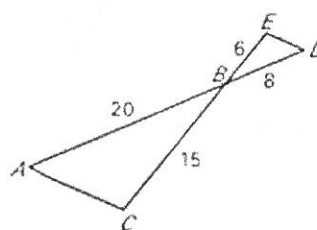
Practice: How are these triangles similar?



Practice: How are these triangles similar?

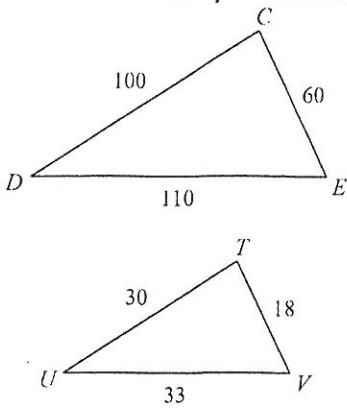


Practice: How are these triangles similar?

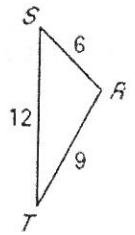
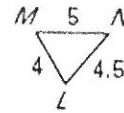
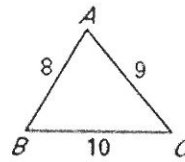


Checking for Similarity

Example 3: Are the following triangles similar? If so, write a similarity statement.

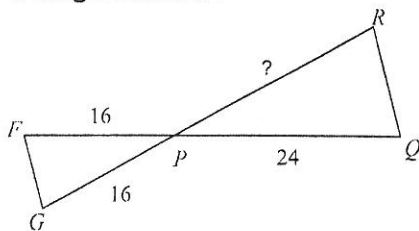


Practice 3: Are any of the following triangles similar? If so, write a similarity statement.

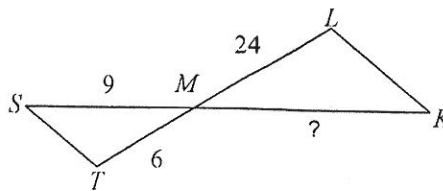


KNOWING Similarity → Solving for Missing Side Length

Example 4: What value of RP would make these two triangles similar?



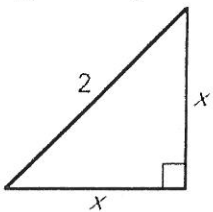
Practice 4: What value of MK would make these two triangles similar?



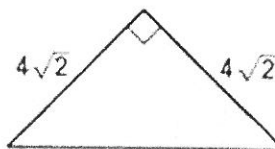
45-45-90 Triangles

AKA "_____"

Example 5: Find the value of x and y in the isosceles right triangle below.

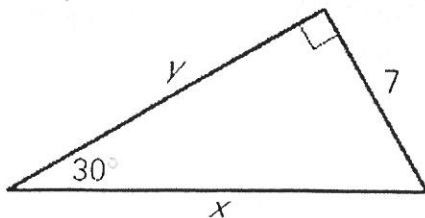


Practice 5: Find the length of the hypotenuse.



30-60-90 Triangles

Example 6: Find the value of x and y .



Practice 6: Find the value of x and y .

